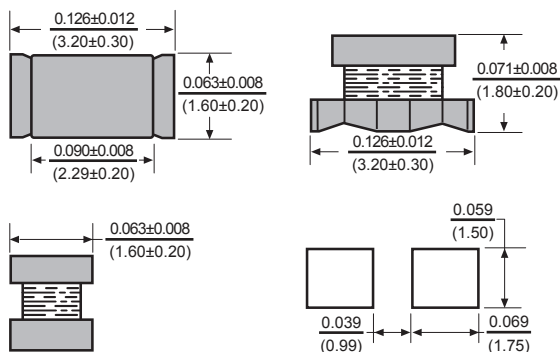
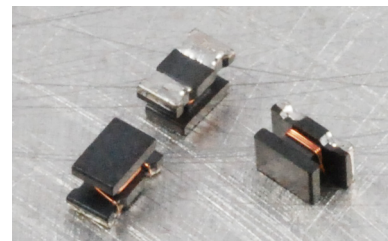


# LRC10 Low Resistance Chip Inductors



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



## Features

- Miniature SMT wire-wound open magnetic path construction inductors with low DCR, high current capacity and high impedance characteristics.
- Excellent solder heat resistance for flow and reflow soldering methods.
- Excellent for use as choke coils in DC/DC converter and DC power supply circuits.

## Electrical

**Inductance Range:** .12 $\mu$ h to 100 $\mu$ h.

**Tolerance:** For 20% use M, 10% use K and 5% use J as part number suffix.

**Test Frequency:** Inductance measured at 1MHz on HP4192A.

**Operating Temp. Range:** -25° to +85°C.

**Rated Current:** Based on Temperature rise not to exceed 35°C. Inductance Drop 10% typical.

**Resistance to Soldering Heat:** Pre heat: 150°C  $\pm$  10°C / 1-2 min. Solder temp: 260°C  $\pm$  5°C for 10 sec.  $\pm$  1 sec.

## Physical

**Packaging:** 2000 pieces per 7 inch reel.  
7500 pieces per 13 inch reel.

Allied Part Number	Inductance ( $\mu$ h)	Tolerance (%)	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated Current (mA)
LRC10-R12M-RC	.12	20	1	250	.12	970
LRC10-R22M-RC	.22	20	1	250	.15	850
LRC10-R47M-RC	.47	20	1	180	.22	700
LRC10-1R0M-RC	1.0	20	1	100	.38	510
LRC10-2R2M-RC	2.2	20	1	50	.55	430
LRC10-4R7M-RC	4.7	20	1	31	.85	340
LRC10-100K-RC	10	10	1	20	1.8	230
LRC10-220K-RC	22	10	1	14	4.0	160
LRC10-470K-RC	47	10	1	10	10.5	100
LRC10-101K-RC	100	10	1	7	16.0	80

Available in tighter tolerances.  
All specifications subject to change without notice.